CAREER FAIR IS TODAY! HAPPY JOB HUNTING!

MIT's Oldest and Largest Newspaper

tech.mit.edu

Volume 135, Number 24



WEATHER, p. 2

FRI: 66°F | 54°F

SAT: 68°F | 52°F Sunny

SUN: 68°F | 56°F Mostly sunny

Friday, September 25, 2015

Students mourn alum in wake of tragic accident



A memorial appeared in Building 3 on Monday morning following the death of Kelsey Brigance '12, who was a Course 2A graduate and a member of the Alpha Chi Omega sorority. A note at the memorial read in part: "Last night, Kelsey was killed in a sailing accident. She was known as [a] fearless engineer, a brilliant technician, [and] an amazing friend. She was forever exploring her passions: Course 16, then Course 2, rowing, theater, the outdoors, [and] sorority life. Today, let's remember Kelsey, and to honor her memory, lets be fearless. Let's be brilliant. Let's never stop exploring."

Random Hall's express guest list experiment continues this year

List was dorm's response to heightened security measures

By Emma Bingham

Random Hall's express guest list system, implemented this past spring, is continuing into its second year. A similar program at Maseeh, implemented in fall 2014, will also

The program allows residents of Random to extend card access to five people who can enter the dorm by tapping their MIT IDs at the out-

side entrance rather than check in at the security desk. Random also maintains additional, non-express guest lists, but guests on these lists do not get card access and must see the security desk.

Maseeh residents can put three people on express guest lists. These guests must still check in at the desk, but their IDs grant them access at the elevators, which, unlike elevators in other residence halls, require

people to tap their IDs.

Express guests must be MIT students and will have access only between the hours of 8:00 a.m. and 12:30 a.m. daily.

Random and Maseeh are unique among the dorms for their express guest list systems. Most of the other dorms have guest lists which require visitors to check in at the front desk.

Guests, Page 9

More grads choose industry over PhDs Survey data reveal decade-long

trend away from graduate school

By Gabriella Studt

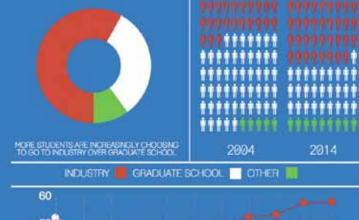
As students flock to Career Fair today to speak with recruiters from tech companies, hedge funds, and startups, many will be seeking fulltime jobs and internships. If recent trends in GECD survey results are any indication, more MIT students than ever will enter the workforce upon graduating next semester.

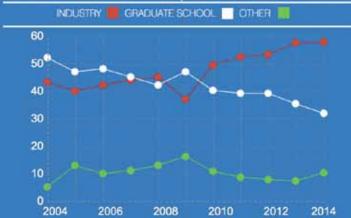
The percentage of MIT undergraduate students pursuing fulltime work immediately after graduation has been rising steadily over the past ten years. According to a

2014 survey by MIT's Global Education and Career Development, 58 percent of graduating seniors indicated that they planned to enter the workforce, with nearly one in five planning to work at startups. This figure is up from 43 percent in 2004. In comparison, the percentage of students going on the graduate school has been declining, with 32 percent of respondents planning to pursue graduate studies after graduation, down from 52 percent a decade prior.

Career, Page 7

POST GRADUATION CAREERS





SOURCE: GECD, INFOGRAPHIC BY SAMIR WADHWANIA

Pilot program will recruit spouses of grad students as child care providers

A new program led by the MIT Family Childcare Network will support the training, licensing, and operations of child care providers caring for children of graduate students in Eastgate and Westgate residences. In the first phase of the pilot program, spouses and partners of MIT graduate students will be recruited as caregivers.

Only spouses and partners who are eligible to work in the United States will be able to participate in the program. Each provider will be able to care for four to six children, including his or her own. MIT Housing plans to exempt some care providers from the housing lottery in order to ensure that caregivers can stay in the same apartment from

year to year.

Nurtury Inc., a Boston-area based non-profit child care agency has been contracted by MIT to manage the program and facilitate the licensing process, and also to provide training to the caregivers. They will also provide business help for the caregivers, setting up insurance and drawing up contracts with families whose children are in care.

The program will be overseen by the MIT Work-Life Center, and is a collaborative effort between Nurtury, the Office of the Dean of Graduate Education, the Graduate Student Council, and the Division of Student Life.

—Anshuman Pandey

IN SHORT

Today is the Fall Career Fair! Check out companies in the Johnson Athletic Center from 10 a.m. to 4 p.m.

Final exam schedules for the semester have been released. Check your exam times at web. mit.edu/registrar.

Applications are open for the

first phase of the 2015-16 MIT \$100K Entrepreneurship Competition. Apply at *mit100k.org*.

The Annual Bike Auction, sponsored by MIT Police and MIT Parking and Transportation, will take place on Friday, Oct. 2 in the MIT Bus Lot at 290 Albany Street. An MIT ID is required for entry.

Send news and tips to news@ tech.mit.edu.

TAKING ACTION

A group of alumni calls on ALC attendees to act on climate change. OPINION, p. 4

SUNNY WEEK, SUNNY WEEKEND

Anticyclone moving in. WEATHER, p. 2 **FRETFUL FIRST DAY**

Freshman feels. CAMPUS LIFE, p. 11



SO BAD IT'S GOOD?

The TV spinoff of Minority Report is riddled with clichés and bad acting. ARTS, p. 6

THE INTERN

Genuine chemistry and great set design. ARTS, p. 6

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2 THE TECH FRIDAY, SEPTEMBER 25, 2015

WEATHER

Picturesque fall weather to continue

By Vince Agard
STAFF METEOROLOGIST

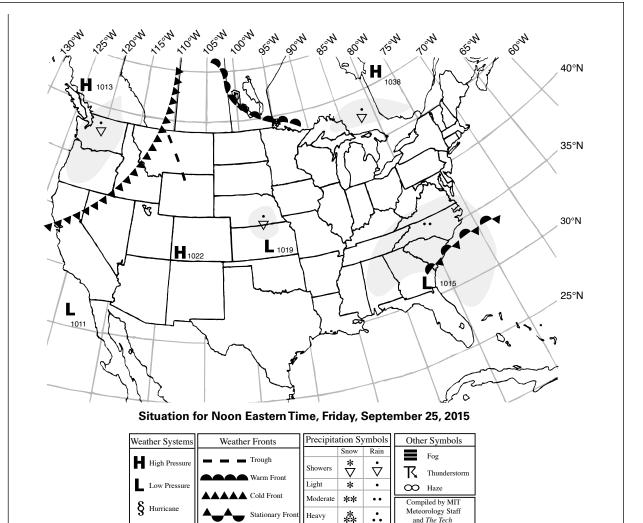
This week's pattern of sunny, seasonable weather will continue through the weekend, with a strong high pressure system forecast to move in from the northwest. High pressure systems, or anticyclones, tend to be associated with calm, sunny weather, since their clockwise motion (in the Northern Hemisphere) induces large-scale subsidence, or downward motion of air from the upper troposphere. The air warms as it descends due to the increase in atmospheric pressure, and it remains dry, since air in the upper troposphere cannot retain much water vapor.

An anticyclone currently over eastern Canada will be located directly over New England by tomorrow evening. The result will be a continuation of the current pattern of clear skies and moderate temperatures for the next few days. The next chance for rain will come at the beginning of next week, as a low pressure system is forecast to form somewhere off the coast — but with a few days to go, there is still a good deal of uncertainty concerning this storm.

Extended Forecast

Today: Sunny, high 66°F (19°C). Winds NE at 10-15 mph. Tonight: Clear, low 54°F (12°C). Winds NE at 5-10 mph. Tomorrow: Sunny, high 68°F (20°C). Winds becoming E at 5-10 mph in the afternoon.

Sunday: Mostly sunny, highs in the upper 60s°F (20°C). **Monday:** Partly cloudy with showers possible, highs in the upper 60s°F (20°C).



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Know something important we should write about?

(We probably don't know about it.)

Let us know.

news@tech.mit.edu

Friday, September 25, 2015

Kendall development project poses traffic concerns

As MIT prepares to move forward with redevelopment plans for the east campus and Kendall Square area, Cambridge officials have expressed concerns that the project will draw increased traffic to an already-congested area.

A transportation study commissioned by MIT estimated that the renovated space would generate over 5,800 vehicle trips and 7,500 transit trips daily. A

memo written by the Cambridge Traffic, Parking, and Transportation Department questioned whether the Red Line and bus system could accommodate the new transit trips. The memo also drew attention to MIT's creation of over 1,000 additional parking spaces, an addition which runs counter to "the City's transportation and sustainability goals" to reduce driving.

As Cambridge officials pressure MIT to fund improvements to mitigate the effects of increased traffic to the area, Michael Owu, chairman of MIT's transportation and parking committee, has said that MIT will work closely with the city to ensure that the redevelopment would not pose a burden on transit.

—Katherine Nazemi



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An open letter to alumni leaders

Dear Fellow Alumni:

As alumni leaders, this weekend we will re-energize our connection with the Institute. And this year in particular, there is no need to grasp at straws to have at least one key conversation about reconnecting. MIT is grappling with the most important problem of our lifetime: climate change.

In a world where other leading universities like Harvard have stonewalled millennial students' demands for action toward a fossil-free world, MIT has leaned into the problem with a year-long, campus-wide Conversation on Climate Change. The culmination of this process was a detailed report released in June, full of bold recommendations for how MIT can most effectively lead the world in tackling climate change.

As a community, we've learned that the time to act is now. The scientific consensus is clear. To stay within the 2 degree centigrade threshold that governments around the world have agreed is necessary, we need to transition towards a clean energy society and cease building new fossil fuel infrastructure by 2017. If we don't do this, extreme weather events, threats to water availability, and cascading impacts on food production and the cost of living threaten to destabilize societies around the world within this century. Our crisis includes a moral dimension, as the most vulnerable populations are the least economically and politically resilient.

Can we avert this bleak future? With your help, we believe the answer is yes. MIT Alumni for Climate Action Leadership (MITACAL) encourages all reunion organizers to put their shoulders behind the Institute's emerging climate

leadership.

First, dig into the resources available. Even as we await word from President Reif on which of the recommendations MIT will implement from the Climate Change Conversation Report, the report itself is a treasure trove of opportunities for alumni engagement. For example, the eye-opening divestment debate would make a riveting video screening for local MIT Alumni Association gatherings. In signature MIT style, the debate is focused on making change happen. Is it more effective to divest to make a moral statement, or to stay invested and work from the inside with greater shareholder oversight?

Second, connect alumni to the opportunities for innovation. MIT is incubating exciting new approaches to renewable energy research and non-fossil-fuel-based economic models. The Sloan Sustainability Initiative is training a new generation of business leaders who think proactively about building climate-resilient businesses and contributing to the clean energy transition. Reunions are a great opportunity for alumni to step into this current of innovation and help make technologies designed at MIT mainstream.

Third, encourage everyone to give what they can for the sake of future generations. Attention comes first. At a minimum, MIT alumni must be even more conscious of the choices they make to support a sustainable world. But we are asking for more than the gift of attention and conscious consumption. Now more than ever, a donation to MIT is a gift to the world.

We are aware that our fellow alumni have deeply rooted convictions when it comes to giving. Some will be energized and engaged by supporting MIT's technical innovations. Others will balk at contributing to an endowment still invested in fossil fuels. For climate-conscious donors, giving to the Multi-School Divestment Fund will only disburse tax-deductible gifts to the Institute if it establishes a divestment plan by 2017. So there is a vehicle to put your dollars behind your convictions!

MIT is a wellspring of scientific knowhow, innovation, and talent, all of which can be applied to the critical issue of climate change. The Alumni Leadership Conference this weekend is an ideal opportunity to energize the alumni community around this subject. Afterwards, we can work together to transform the Institute into a global leader on all aspects of climate action.

—MIT Alumni for Climate Action Leadership (MITACAL)

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Dissents are the signed opinions of editorial board members choosing to publish their disagreement with the editorial.

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UNFUNFUNFUNFUNFUN

Harvest

Solution, page 7

	9	7		2				6
2								
2 4 3		3			9			
3			8		2		4	9
	5		3		1		2	
9	5 2		8 3 5		7			3
			2			7		8
								5
5				7		2	3	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Hayride

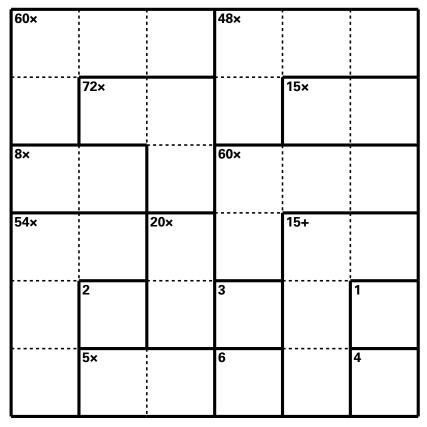
Solution, page 7

8		4		6			
	2		3	8	9		
	7						1
9	3			2	7		
7			8	4			6
		6	7			9	2
2						7	
		7	9	1		8	
			4		2		9

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Foliage

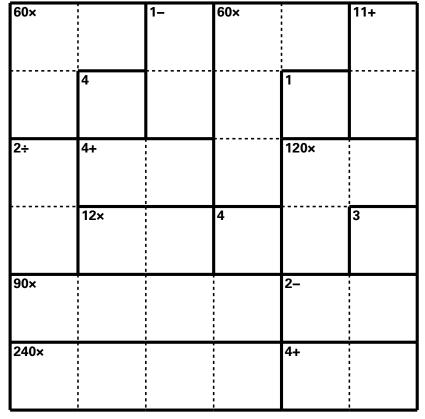
Solution, page 7



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1-6. Follow the mathematical operations for each box.

Midterms

Solution, page 7



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1-6. Follow the mathematical operations for each box.

Ordination by Fred Piscop

Solution, page 7

ACROSS

- 1 Daughter of 26 Down
- 6 Dojo discipline
- 10 Starchy veggie
- 14 Sci-fi figure
- 15 Stack-serving eatery
- 16 Actress Winslet
- 17 Pitching great Ryan
- 18 Hold dear
- 19 OPEC member
- 20 End of some ballgames 23 Peacock-tail spot
- 24 Fighter for Jeff Davis 25 Sondheim's barber
- 28 Try to sink, maybe
- 31 Neutralize, in terms of weaponry
- 36 Kimono sash 37 Became alert
- 39 Vaccine fluid
- 40 Barely lost
- 43 Missouri River city 44 Diner freebies
- 45 Cake baker's buy
- 46 Part of Mali
- 48 CBS series
- 49 Tailless cat

- 50 24 Across' grp.
- 52 Elapse quickly
- 54 Declines to answer
- 61 Act without words 62 "That's interesting"
- 63 Sounded like a Jersey
- 65 Paradise Lost setting 66 Naval commando
- 67 Masters stumble
- 68 Took one's turn
- 69 Works on roofs, say
- 70 Made off with

DOWN

- 1 __ Andreas Fault
- 2 Oodles
- 3 Place for fodder
- 4 Piled up
- 5 Be a bother to
- 6 Leave in the lurch
- 7 "We're in trouble" 8 White Cliffs locale
- 9 Had the first act
- 10 Outer layer
- 11 Component 12 A Four Corners state
- 13 Man cave, maybe

- 21 Born to be wild
- 22 vvading birds
- 25 Ring chargers
- 26 Sotomayor
- appointer
- 27 Alice's cat
- 29 Scintilla
- 30 College major 32 Less dry than brut
- 33 Telltale sign
- 34 Arrest
- 35 2520, in old Rome
- 37 Not at all abundant
- 38 Digs for pigs 41 "Gotcha!"
- 42 Inflexible
- 47 Pitch in
- 49 "That's what you think!"
- 51 Befuddled 53 Nest holders
- 54 Sand castle's undoing
- 55 New Testament
- last word 56 Canterbury's county
- 12 13 14 15 16 17 18 19 20 22 24 25 | 26 | 27 28 29 30 31 32 | 33 | 34 | 35 36 39 40 43 44 45 46 48 49 50 52 53 51 57 | 58 54 55 56 59 60 63 61 62 64 65 66 67 68 69 70
 - 57 Get wind of
 - 58 Seafood often smoked
- 60 Scoundrel
- 61 Kitten sound 59 What Brits call "takeaway" 64 Litmus, for example

6 THE TECH FRIDAY, SEPTEMBER 25, 2015

Minority Report is unintentionally hilarious — watch it 'ironically'



Stark Sands (left) and Meagan Good (right) in Minority Report.

By Karleigh Moore

I was incredibly excited to hear that Fox was premiering a TV spinoff of the futuristic sci-fi movie Minority Report (directed by Steven Spielberg, 2002). The series is appropriately (or perhaps, confusingly) called Minority Report. A quick summary for those who haven't seen the film (I do recommend it!): fast forward to 2054, the government has future-predicting "pre-crime" tech that allows them to capture criminals before they commit (or even think to commit) crimes. Tom Cruise's character, John Anderton, realizes that these methods are not completely reliable and can imprison innocent people. I enjoyed the movie version — I thought it was philosophically interesting and the plot was engaging and constantly thrilling. Minority Report, the TV show, however, leaves much to be desired.

It's unfortunate that the show doesn't aim to be a campy, cliche comedy because at least then it would be somewhat successful — the show is certainly campy, but only questionably funny. The viewer is bombarded with futuristic tech. I'll give you a piece of the montage now to save you the trouble of watching it yourself: holographic-

gesture-controlled crime instant replay detective tech, scrolling marijuana ads on subway windows, an eerie tangible 3D version of Skype, and best of all, selfie drones. I get it; the pilot of a series needs to immediately impress and captivate audiences, which might explain why the showrunner felt the need to pack the episode with special effects (though with little else).

I honestly couldn't tell if I thought the actors were unconvincing or if the overwhelmingly cliche-ridden plot and characters were to blame. The protagonist, Dash (Stark Sands), is one of the male precogs (short for precognitives, or someone who can see the future) from the film, and since he has lived most of his life in a vat seeing visions of people being murdered, his social skills are a work in progress. Sands isn't half bad at the awkward component of Dash's character, but there were some scenes where it just felt too forced. Despite this, Sands's performance as Dash was probably the most interesting part of the show. Next, we have Detective Laura Vega (Meagan Good) who is the unconventional cop with the stereotypical "became a cop due to childhood tragedy" backstory. Of course the two meet and team up to form the requisite genius consultant/tough cop duo that is found in about

Minority Report

Developed by Max Borenstein

Based on the film and short story of the same name

Premiered Monday, September 20

On Fox

half of the cop shows in the history of TV (at least it sure feels that way).

Unsurprisingly, the plot revolves around Dash's desperate attempts to use his abilities to stop murders before they happen. The tricky bit is that pre-crime (the whole "catching bad guys before they commit crimes" idea from the movie) was outlawed, thanks to the hard work of John Anderton at the end of the film. Dash and his fellow precognitive siblings are supposed to be in hiding under government protection, so that no one gets any further ideas about using them for pre-crime purposes, but Dash clearly isn't having that.

The plot is painfully predictable. Dash wants to stop a murder, but ultimately can't (he never gets to the scene in time because his powers are incomplete without his siblings — he only catches the images of the murders, but no name/location information). Dash meets detective Vega and gives her info to help the police catch a bad guy. Dash and Vega realize that together they can save people by combining his visions and her police skills, essentially going rogue and pre-crime all over again. At one point, a friend I was watching the episode with muttered, "Didn't they see the movie?'

Of course, the showrunners aren't entirely oblivious to the message from the film: pre-crime is unethical and not 100 percent reliable. There is some superficial exploration of the ethics of pre-crime. For example, Dash feels really bad when he goes to a mental hospital filled with exprisoners whose brains were fried by the "halo-ing" imprisonment process shown in the film. But that's about it. After all, how compelling can a show be if they've already outlawed the most interesting thing about the show's

I'm actually starting to question my taste in television shows as I contemplate tuning in next Monday (if the show makes it to its second episode). I'm not sure if I have this compulsion because I still wish for the show to capture my interest like the parent film had, or if I want to watch things devolve even further.

MOVIE REVIEW

A tale of two generations

Robert De Niro delivers a charming performance in The Intern

The Intern

Directed by Nancy Meyers

Starring Robert De Niro, Anne **Hathaway**

Rated PG-13

Now Playing

By Tara Lee

ASSOCIATE ARTS EDITOR

When I first saw the theatrical release poster for The Intern, starring Robert De Niro and Anne Hathaway, I thought that I was in for a *Devil Wears Prada* part two — but I was only partially right. While *The Intern* is vaguely reminiscent of Hathaway's breakout film, the roles are reversed. Hathaway plays the role of Jules Ostin, the hard working CEO and founder of an online clothing retail site, About The Fit. De Niro plays Ben Whittaker, a 70-year-old widow who joins the company as a senior intern after deciding that retirement was not for him.

Ben is a stark contrast to the startup company's staff of young, fashionable twenty-somethings, but he adjusts himself to the trendy environment after befriending fellow workers. As Jules's intern, Ben gets a peek into the CEO's hectic lifestyle, which includes riding a stylish bike around the office for faster travel. Ben becomes Jules's wise counterbalance, and they learn from each other's wildly different life experiences.

Set and filmed in Brooklyn, *The Intern* had phenomenal set design. Production designer Kristi Zea chose a gorgeous, naturally-lit brick building for the company's offices, and filled it with minimalistic, contemporary furniture. "It's reflecting Brooklyn, e-commerce, start-up, fashion ... it's crisp, hip," Zea explained. If I ever started a company, I would want its headquarters to look just like the film's offices.

Adam DeVine (Pitch Perfect, Workaholics), Andrew Rannells, and Zack Pearlman star as Whittaker's colleagues, providing a steady stream of humor that, at times, made the



Anne Hathaway as Jules Ostin and Robert De Niro as Ben Whittaker in The Intern.

audience roar with laughter. Alongside the humor, however, the film also examines gender roles in society. Gender roles are reversed in the office, where Jules is a female CEO, and they are also reversed in Jules's family life, where her husband (played by Anders Holm) is a stay-at-home dad taking care of their elementary school daughter. Director Nancy Meyers explores Jules's work-life balance, in which Jules struggles to complete work-related errands and also spend enough time with her family every day. "Being a woman who's worked my whole life, and a mother of two, I remember vividly what it was like trying to do well at my job and to be sure to make it home in time for dinner," Meyers explained. "It was interesting examining what the work-life balance was like for a new generation of families in 2015."

The film was not without flaws, however. For a film depicting such a fast-paced startup, the dialogue was awfully slow during the sentimental scenes between Jules and Ben. Jules

would be talking into three phones at once in one scene, and then switch over to a deep conversation with Ben about her life before the company.

De Niro does a spectacular job as the sage, sensitive fatherly figure to Jules. He plays Ben as the ultimate good guy, doing a good deed of some sort every other scene; however, his character did not seem nearly as fleshed out as Hathaway's character. For a character with so many supposed life experiences, the film barely brushes upon Ben's pre-retirement life, and I left the film knowing way more about Jules's life and personality than his.

Nevertheless, De Niro and Hathaway work well together on-screen, and the emotional connection between their characters seems genuine throughout the film. Hathaway explained, "I was so fortunate to have had Bob by my side. He is such a terrific guy and, it goes without saying, was wonderful

FRIDAY, SEPTEMBER 25, 2015

EECS, physics, math are often highest-paid majors

Surveys show MIT students find job offers through campus recruiting, Career Fair; tech companies and startups among most popular choices for recent MIT graduates

Career, from Page 1

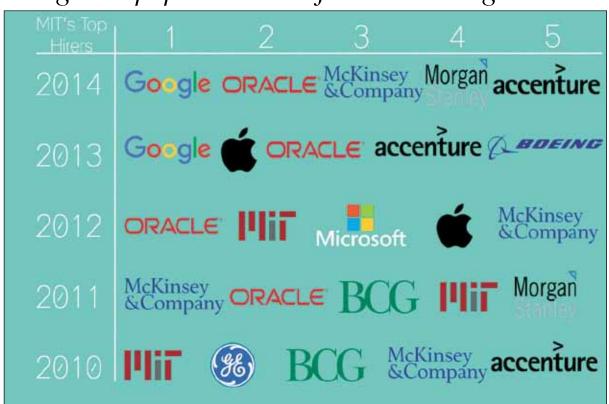
The list of companies hiring the most MIT students has shifted from year to year, though McKinsey and Company, Oracle, and Google have consistently appeared in the top five. Apple, Morgan Stanley, and Accenture have also been popular choices.

Overall, MIT graduates appear to be successful in finding work. By May 2014, over 95 percent of respondents indicated that they had received a job offer. When those going to work were surveyed about ways they found employment, they ranked channels such as campus recruiting, the Career Fair, and networking particularly high. Other students mentioned that their internships had led to job offers. When surveyed on factors that affected their decision to accept a job, 90 percent of those working said that the job content was either "very important" or

"essential."

Three-quarters of those working full-time said that their job was related to their major. By major, the highestranking median salaries were those from Courses 6, 18, and 8, with \$100,000, \$88,500, and \$80,000, respectively. For the past five years, these majors have consistently received higher salaries, though Course 2 and Course 14 are close runners-up. By industry in 2014, graduates with a bachelor's degree entering work in financial services reported the highest mean salary, at \$103,000, while those entering computer software were not far behind, with a mean income of \$98,000.

The most common industries in which to work were computer software, consulting, and engineering. Many other industries were also strongly represented, including investment banking, finance, military, aerospace, energy, and health/medicine.



SOURCE: GECD, INFOGRAPHIC BY SAMIR WADHWANIA

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LEMELS N-MIT

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FRIDAY, SEPTEMBER 25, 2015 8 THE TECH

MIT hackers show support for **Ahmed Mohamed**

Four days after high school student Ahmed Mohamed was arrested for building a clock that his teachers mistook for a bomb, hackers at MIT showed their support for the 14-year-old by constructing their own digital clock display and hanging it over a banister in Lobby 7 last

The functional clock was displayed with a banner reading "#IStandWithAhmed" as well as exposed circuitry at the back.

The hack was eventually removed at around 12:40 p.m. due to concerns that it might

Ahmed, a 9th grader from Texas, was arrested on Sept. 14 after being accused of bringing a "hoax bomb" to school. In fact, he had constructed a digital clock at home and had brought it to school to show his teacher. An outpouring of support and encouragement on social media commended Ahmed's creativity and condemned the arrest as an attack based on Muslim stereotypes.

Ahmed has since been invited to visit the White House, Facebook, and MIT, which he has said is his dream school.

—Adrian Sy

3Q: Prof. Karen Gleason on the Metro Storage Warehouse

MIT proposes to repurpose structure into residence

By MIT News

MIT is advancing a proposal to create a new hub for undergraduate residential life that would include housing, dining, maker space, common and study space, and street-level public retail. The proposed development at 134 Massachusetts Ave. - which could house more than 400 students - would incorporate the unique historic nature of the Metropolitan Storage Warehouse and provide needed flexibility as the Institute continues to enhance its undergraduate and graduate student housing stock. Associate Provost

Karen Gleason, the Alexander and I. Michael Kasser Professor in the Department of Chemical Engineering, is leading the effort and spoke with MIT News about the project.

Q. How did MIT develop the idea of repurposing a building that is on the National Register of Historic Places into a center for living and collaborative learning?

A. I remember first noticing the Metropolitan Storage Warehouse when I was an MIT freshman, back in 1978, and imagining what possibilities that compelling architecture held — a question that has broadly engaged the curiosity of the MIT

community. The Institute has owned the historic building for almost 50 years, and several different reuses have been investigated over time. Along the way, a proposal for a center of undergraduate life bubbled up and has now emerged as an excellent fit for this iconic structure.

It turns out that this structure is really five connected buildings, with the earliest constructed closest to Massachusetts Avenue in 1894. It has always served as a storage facility, and additional buildings were added as the business grew. In fact, the westernmost wall of the structure is a plain brick facade, suggesting that more additions were contemplated. The fifth building was completed in 1911, five years before MIT's Main Group was completed. It has beautiful internal and external architectural features - including vaulted ceilings, a square corner brick tower, and a crenellated-corbelled cornice all of which would be preserved in the proposed redevelopment.

The idea for the current proposal to repurpose the Met Warehouse originated with Professor Anton Garcia-Abril Ruiz, who is a faculty member in the Department of Architecture. His office and studios are directly across from the Met Warehouse, causing him to become deeply intrigued by this building.

Because of the historic nature of the facility, only limited changes can be made to the window openings. But Professor Ruiz developed a breakthrough idea that could allow light to be brought in, while maintaining the structural integrity of the building. His approach involves inserting a series of light wells that would penetrate the interior of the structure and fit precisely with the periodicity of the existing support framework. The dormitory rooms and common rooms near the light wells would then have increased natural light and views of the sky.

Professor Ruiz also envisioned the possibility of adding additional floors on top of the existing historic structure. These upper floors would be highly transparent, and would have spectacular views of the surrounding area.

His visionary designs have been reviewed by multiple colleagues in the Department of Architecture, including Meejin Yoon, the head of the Department of Architecture, and Hashim Sarkis, the dean of the School of Architecture and Planning. Of course, these designs would need to be discussed and reviewed with the Cambridge Historical Commission.

Q. Do you feel that the location at the corner of Massachusetts Avenue and Vassar Street — is a compelling feature of the proposal?

A. I really do The location the center of MIT's campus, both from a north/south and an east/west perspective. Sometimes our community perceives that facilities in the west campus area are further from the main campus than they actually are. Bringing this building into active use will create an added sense of connectedness and cohesiveness. Also, the opportunity to integrate the Met Warehouse into the campus will anchor our planning efforts in the west campus area, where we are in the process of developing a flexible, long-range framework to guide future development, including opportunities to create more student housing.

I think the combination of the central location and the unique features of the building - including the high ceilings, prominent brick construction, and the potential for the modern light wells — is just the right mix to create a sense that this is a place where the future will be invented.



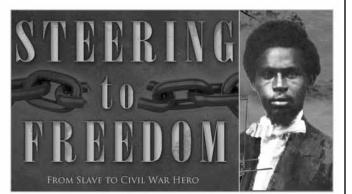
A Reading with MIT Alum **Patrick Gabridge**

Gabridge reads from his most recent novel, Steering to Freedom, the story of a young man who becomes the first black captain of a US military ship.

Reception to follow.

Wednesday, Sept 30, 5:30 PM Room 2-105





Patrick Gabridge is an awardwinning playwright, novelist, and screenwriter. His other novels include Tornado Siren and Moving [a life in boxes]. His full-length plays include Flight, Distant Neighbors, Lab Rats, Constant State of Panic, and Blinders and have been staged by theaters across the country.

For more information, visit: www.gabridge.com

January Scholars in France Immerse yourself in the cultural life of Paris! IAP January 2016



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Express guest list difficult to put in place

No plans to extend system to other dorms

Guests, from Page 1

Policies for editing the lists and for guest check-in vary. The one exception is East Campus, which does not have a security desk. According to Senior Associate Dean for Student Life Henry J. Humphreys, due to the layout of the dorm and its entrances, there is no feasible way to set up a security desk or a implement a guest policy there.

Origin of express guest lists

Express guest lists at Random were introduced in response to residents' frustration over changes in security policies, especially the installment of Allied-Barton workers at the previously student-run security desk and the requirement that all guests stop by the desk to check in, even if accompanied by a resident. In order to help address these complaints, last spring, Housemaster Nina Davis-Millis worked with Random residents on creating the new express guest list policy.

Humphreys said that the express guest list policy in Random was "a way to help make sure that people were complying with the new policies" while "still allowing for the type of community that has existed" in the dorm.

Apart from minor complaints, such as the fact that alumni, who often visit Random, cannot have express guest access, the majority of Random thinks the new policy is an improvement. "Express guests lists are a lot better than no express guest lists," said Random Co-President Taylor S. Sutton '17.

Before the implementation of the express guest system last fall, Maseeh had no guest list system whatsoever. The express guest list policy was created in order for Maseeh to have a guest list system in the first place, as all other dorms do.

Implementation at dorms

According to Humphreys, the express guest lists are labor-intensive to set up. Residents must submit the names of their desired guests. Then these names must be compared so that none of them overlan. Finally guests must be manually entered into the computer system in order to activate their IDs.

Because this process is difficult, the effective date of express guest lists is later than that of regular guest lists, and there are no plans to implement express guest lists in other dorms.

"Until we can come up with a new guest management system that we can employ across all houses, this is how we have to operate for the moment," Humphreys said.

As of Wednesday, Sept. 16, express guest lists in Random Hall are active. Residents have until Oct. 1 to edit them before the lists are frozen for the semester.



Want to know how your professors went from being students to MIT faculty members?

Come hear their stories and join the conversation!

Emery Brown Sep 30 5:15 pm 6-120

Shigeru Miyagawa Oct 6 5:15 pm 3-133

Maria Zuber Oct 14 5:15 pm 6-120

Paula Hammond Oct 28 5:15 pm 6-120

Will Broadhead Nov 10 5:15 pm 3-133

Robert Langer Nov 30 4:15 pm 6-120

"Getting from Here to There" A series of informal faculty talks for students





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SUN. SEP 27 | 11AM-5PM | 4-231



WILL MIT RISE TO THE CLIMATE CHALLENGE?

WEDS. SEP 30 | 11.45AM-1PM STUDENT CENTER W20-201



CLIMATE & SUSTAINABILITY STUDENT GROUP MIXER

MON. SEP 28 | 6.30-7.30PM 7-336



ACTION-ART

THURS, OCT 1 | 7-10PM STUDENT CENTER BALCONY (3RD FLOOR)



MERCHANTS OF DOUBT" FILM SCREENING W/ LIVE Q&A

TUES. SEP 29 | 7-9PM | 26-100

RALLY FOR MIT CLIMATE ACTION

FRI. OCT 2 | 12-2PM KRESGE OVAL

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10 THE TECH FRIDAY, SEPTEMBER 25, 2015

Arch. prof. proposed using warehouse for housing

Idea of using 'light wells' to penetrate interior of historic structure is a 'breakthrough'; nearby dormitory rooms and lounges would have natural light and views of the sky

Metropolitan from Page 8

Also, adding an undergraduate residence at this location will provide much-needed flexibility to enable a planned and thoughtful renewal of our undergraduate and graduate dormitory system. The added capability will allow MIT to proactively address some deferred maintenance in its highly utilized undergraduate residence halls. Overall, I think the proposed building will be beneficial to our student community and to the overall plan for the renewal of our residential structures and systems.

Q. What steps have been taken to date, and what are the next steps for the proposal?

A. In order to analyze the idea of using the building as a living and learning community, I convened an advisory group with broad rep-

resentation from across MIT, in addition to the participation of external experts in the development of historic buildings. I am grateful to all the MIT faculty, students, staff, and professional advisors for their expert advice and willingness to engage and collaborate. In particular, I want to thank Jennifer Marshall from the Office of Campus Planning, who is the lead staff person on the Metropolitan Warehouse Advisory Group.

As this project has progressed, the excitement in the group continues to grow. I am working with the current student representatives to expand the outreach to the undergraduate community this

The advisory group has four subgroups. One subgroup is focused on the undergraduate residential experience; a second subgroup is addressing how best to create successful co-working and study spaces; a third is focused on the programming for the maker space; and the fourth is providing oversight on the structural and architectural issues.

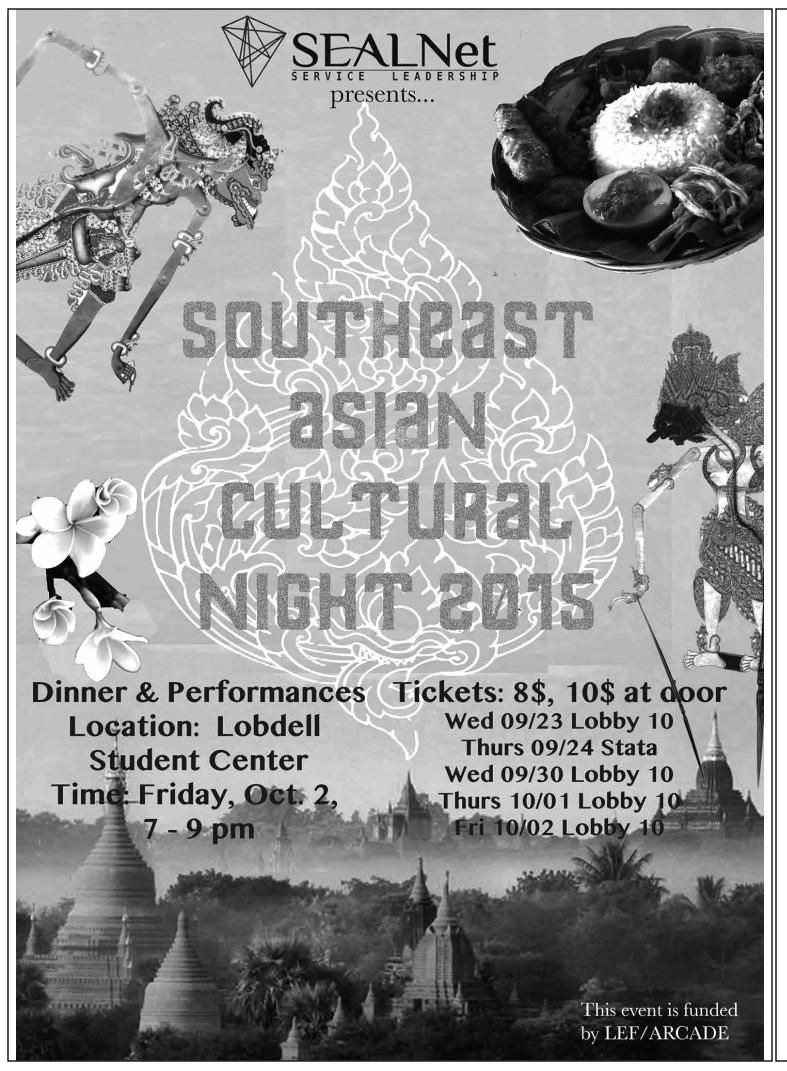
For example, we've imagined that the groups of rooms organized around the proposed light wells would form micro-communities with small lounges, and that larger common spaces with diverse functions could be spread throughout the residence hall. Additionally, we've proposed that the building have dedicated spaces for broader MIT community use, including maker space, a dining facility, and spaces for group study, meetings, and functions.

We will continue to engage with people about the project. So far, the building concepts have benefitted tremendously from the input of the advisory group and its subgroups. I know that we will continue to refine the many different features of the proposal. The building is brimming with character, so there is a great deal of potential.

Because the building has such important historical significance, we've had preliminary conversations with the staff at the Cambridge Historical Commission to ensure that our ideas blend well with the structure and respect its unique features. That interaction is ongoing. In addition, we would need to bring the proposal forward to the Cambridge Planning Board for its review, and there are numerous other considerations that we would need to explore with relevant city departments. We look forward to starting that dialogue this fall.

We've also been working carefully with the Metropolitan Storage Warehouse business owners to support their efforts in preparing the building and offering storage alternatives to customers. We know that some people have stored belongings in the facility for a long time, and we are sensitive to the possible disruption that may be caused. We are committed to working collaboratively with Metropolitan Storage and its customers in order to identify the best solutions as the proposal advances.

In the coming months, we will continue to test the feasibility of the mixed-use residence hall concept, including an examination of the amount of light that can be introduced to the interior spaces through the proposed light wells. We'll be sharing much more information as we go along!





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Laundry and life

My first day of class

By Chloe Yang

My first day of class, I was up before my alarm. I typically take an extra ten minutes to mourn the end of summer. That morning, however, was the exception. That morning was a magical microcosm of perfection, on par with a sunny "getting-ready-for-school" movie montage. I could almost hear faint echoes of peppy ukulele music.

The rest of the day lived up to my morning. Everything was going swell — I was finally a bona fide MIT student, with professors and friends and eight hours of sleep. When the time came to head to my last class, I obtained a free caramel peanut butter cookie from a WILG booth in the infinite, and I ran into a fellow 18.01A frosh with whom I could quest for the right room. I had time, sugar, and companionship. What could go wrong?

Everything fell apart when we found the recitation. Glancing in, I saw two rows of students taking notes. Despite the fact that we were half an hour early, despite the feeling that something was not quite right, I charged into the classroom, clutching my cookie. I stopped a few feet from the entrance to glance uncertainly at the chalkboards, making sure they were filled with 18.01A math and not relativistic quantum mechanics.

"Here for 18.01A?" the TA asked as his eyes crinkled warmly.

I nodded. My fate was sealed. There was no walking back out the door, no time to realize my mistake. "It took me forever to find this place, too," someone sympathized as I passed. Only then did I understand I was attending the wrong recitation section.

In high school, I thought I was a strong, independent woman who didn't need any parental assistance. I didn't realize that I wouldn't just be independent at MIT — I would be an independent adult. Within my first week, I discovered the horrors of college and adulting. Classes are no longer in the same buildings, no longer in rooms numbered sequentially from one stretch of hallway to the next.

Gone are the days when I can blindly tick off the events on my schedule — hello Google Calendar, goodbye crumpled schedule I can memorize in two days. Hello laundry, and cooking every meal, and grocery shopping. Hello existential crises that arise from shelves of detergent: why are there so many different kinds? How do I pick the best detergent for me? What do I want from my detergent; what do I want out of life? Who am I even?

Yes, my struggles feel so very real. Yet, in the scope of my MIT experience as a whole, those issues fall away with every inside joke I form with a new friend, with every hack I spot throughout campus, with every pset I conquer and every amazing conversation I have. When I hear the sound of my footsteps echo off the columns of Lobby 7, I am struck by my good fortune. I am struck by the magnitude of my privilege. I still can't quite believe I'm here, that I live and breathe the intellectual vibrancy that permeates MIT air.

I love MIT, I love the friends I've made, I love my classes and professors, and for now

at least, I'm loving this way of life. When I see my fellow freshmen scurrying through the infinite or perusing the shelves at Star Market, I inwardly smile at the knowledge that we're all figuring out this whole college thing together, that every single one of us is experiencing the same thrill ride that is MIT. We all pile into the same roller coaster car, and our collective screams of joy are a symphony; they're a battlecry. "We will survive this," we roar (unless we are riding an East Campus coaster, in which case our survival is more dubious).

MIT is scary because there is no guarantee that I am joining the right clubs for me, or that I'm picking the right detergent; there is no guarantee I will have my life down pat as quickly as I'd hoped. However, that uncertainty is part of the excitement — I have free rein to make mistakes now, along with the class of 2019, so that I may (hopefully) become a certified adult after four years of failures and successes.

Chloe Yang is a member of the Class of

MPUS

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Wesley M. Woo '19 weaves through players from Emmanuel College on Wednesday. MIT won the game 9-0.

Engineers win 3-0 **over Mount Holyoke**Women's volleyball team cruises to

victory after a tight first set Tuesday

By Mindy Brauer DAPER STAFF

After a tight first set that saw seven ties and five lead changes, MIT took control and went on to defeat Mount Holyoke College, 25-17, 25-14, 25-6, in a NEWMAC women's volleyball match on Tuesday night. In two sets, Abigail C. Bertics '19 tallied a match-high 10 kills to go along with a .471 hitting percentage and two blocks for the Engineers (11-1, 3-0 NEWMAC). Emma Sweeting paced the Lyons' balanced attack with five kills to go along with five digs and a solo block.

Mount Holyoke (5-4, 0-3 NEWMAC) took an early 6-3 lead in the opening set on kills from Katrina Meserve and Joy Maran. MIT recorded five of the next six points; however, the Lyons replied with a 6-2 spurt that put them back in front at 14-11 courtesy of a service error. A kill from Tori L. Wuthrich '17 in addition to back-to-back aces by Allison A. Davanzo '18 ignited a string of nine unanswered points that turned into a 14-3 set-ending run for the Cardinal and Gray.

MIT carried the second stanza as it raced out to a 6-1 advantage. Mount Holyoke slowly chipped away at the deficit as a strike by Sweeting brought it within one (11-10) and prompted a timeout by the hosts. Once action resumed, kills from Bertics and Jennifer A. Glerum '17

along with an ace by Clare Farley '18 gave the Engineers some breathing room. A pair of miscues quickly cut the margin in half but an attack error and Wuthrich ace increased MIT's lead to 16-12. Meserve and Kerrie A. Greene '19 traded kills for their respective squads, moving the score to 18-14 before the Lyons' called a timeout. Following the break, the Engineers rattled off seven straight points as Bertics registered four kills and a block with Davanzo

MIT continued its string of unanswered scoring into the final frame as it established a 13-0 lead before a block by Sweeting put Mount Holyoke on the board. The Lyons' never threatened down the stretch as a kill from Lisette G. Tellez '18 clinched the victory for the Engineers.

Megan E. Gebhard '17 connected on six of her 12 attack attempts in the first set while Greene finished with six kills of her own. Tellez tallied a match-high nine digs along with five kills and four aces. Meryl E. Gibbs '16 bolstered the front row with four kills and two blocks. Farley finished with four aces and four digs as Davanzo tacked on three aces. Wuthrich contributed six digs and two aces while Fiona I Tanuwi djaja '19 dished out 26 assists.

Maran notched six digs and four kills as Meserve posted five digs, four kills, and an ace for Mount Holyoke. Natalie Lyon rounded out the squad with 13 assists and a team-best eight digs.

UPCOMING HOME EVENTS

Saturday, September 26

Football vs. Maine Maritime

Women's Volleyball vs. Smith College Women's Volleyball vs. Regis College

Women's Soccer vs. Springfield College

Tuesday, September 29

Women's Soccer vs. Tufts University Women's Tennis vs. Clark University

Wednesday, September 30

Men's Soccer vs. Suffolk University

12 p.m., Steinbrenner Stadium 12 p.m., Rockwell Cage 4 p.m., Rockwell Cage

5 p.m., Steinbrenner Stadium

4 p.m., Steinbrenner Stadium

4 p.m., duPont Tennis Courts

7 p.m., Steinbrenner Stadium

Season opens with loss for women's club soccer

With more than 35 students on the roster, MIT looks to boost chemistry for the future

By Margaret H. Carpenter

The women's club soccer team opened its season at Steinbrenner Stadium on Saturday, Sept. 19 against Harvard. After a goalless first half which saw both teams missing several scoring opportunities, Harvard took the lead with a goal early in the second half.

Despite coming close on several occasions MIT failed

whistle. Co-captain Marlyse H. Reeves '17 reflected on the game, saying, "I think we were evenly matched with our opponents. We just got unlucky with our scoring opportunities."

There are more students on the club roster this fall, a significant increase from last year demonstrating soccer's increasing popularity on campus. "I think we played really well consider-

to equalize before the final ing it was our first time playing together with a lot of new players," Reeves said. "There are some things we need to work on in practice, but we have a team of really dedicated girls, young and experienced, and I am definitely ontimistic about the rest of the season."

MIT plays a double-header at home this coming Sunday, Sept. 27, facing Boston College at 12:30 p.m. followed by Holy Cross at 5 p.m.

